

**AMENDMENTS TO THE CLAIMS**

1. **(Currently Amended)** A process for methane fermentation treatment of an organic wastewater containing a sulfur compound, ~~which comprises~~ using an upflow anaerobic sludge blanket treatment apparatus, comprising:

feeding organic wastewater to said upflow anaerobic sludge blanket treatment apparatus, so a flow rate of said organic wastewater inside said apparatus is between 0.5 and 5 m/h;

detecting a concentration of hydrogen sulfide in a biogas generated from a step of methane fermentation treatment in said apparatus; and

conducting a control of subjecting the said organic wastewater which flows into said apparatus to a desulfurization treatment operation in the case that when the concentration of hydrogen sulfide in the biogas exceeds a predetermined value between 1 and 2%.

wherein the desulfurization treatment is a desulfurization treatment by adding a desulfurization agent containing an iron ion.

2. **(Canceled)**

3. **(Currently Amended)** The process for methane fermentation treatment of an organic wastewater according to claim 1,

wherein the desulfurization treatment operation is a desulfurization treatment of adding a desulfurizing agent containing an iron ion is added so that a molar ratio of the iron ion to sulfur compound is from 0.05 to 1 between 0.05 and 1.

4-8. **(Canceled)**